



The GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
October 2014 <http://www.gars.org/> Volume 23, Issue 10



October—Great Time for Hamming!

Pumpkin QSO Party



Herman Munster - Ham Operator



Message from the President

Fall is the air and it seems to hit the Atlanta area like a light switch every year. Sweaty hot one day and frigid the next! This year the timing was spot on as we set up various field stations Saturday morning for the Gwinnett ARES "Simulated Emergency Test" (SET). Once a year ARES members participate in this test to help hone our skills and test out our preparedness for emergencies. With a few expected hiccups all went well with the exercise and many lessons were learned.



brew projects. I've had a little SDR kit lying around for 2 years now and I finally got up the guts to put it together. The thought of soldering those tiny surface mount components had me terrified! Well I finally sat down and did it. With the right magnification and a steady hand I found the surface mounts to be quite easy. But winding 30 turns of hair thin wire around a toroid no bigger than your thumbnail... well that was another story. I'm looking forward to seeing all your projects.

As I have mentioned before, many GARS members are also Gwinnett ARES members. GARS and Gwinnett ARES share responsibilities for many events including the Dacula Memorial Day Parade, Field Day, the "Dog Show", and others. Check out their web site at www.gwinnettares.org and hang around after the Monday night net and participate in the ARES net that immediately follows. It is very rewarding to put our hobby to practical and sometimes essential use.

This year several metro Atlanta Amateur Radio clubs including GARS got together and participated in the Atlanta Maker Faire event for the first time. It was held in downtown Decatur and attendance was phenomenal. We were told as many as 30 thousand people were in attendance on Saturday and Sunday. There was a special events HF station, Morse code demonstration, teletype display, blinky light kit building, and Morse code bead bracelets. Several visitors signed up for the upcoming HamCram class. Thanks to all the folks who participated in this multi-club event.

This newsletter will be published about the same time as our yearly "Massive Home Brew Show & Tell" meeting. As in years past, this has been one of our most fun and informative meetings. All sorts of projects show up from simple interface boxes to very sophisticated home

The rest of October will be very busy. The 57th Annual Jamboree On The Air (JOTA) happens October 18th at the Lawrenceville VFW Post, HamCram at the Gwinnett EOC on the 25th, and the B-17 Aluminum Overcast special event station on the 25th and 26th. It's a great month to be a GARS member and a great year for the "Hamvention Club of the Year". Don't forget to go to the website <http://www.GARS.org> and sign up for the annual Christmas party too. You don't want to miss that.

Thanks and 73s,

Rick, N4XYY

"It is not the class of license the Amateur holds, but the Class of the Amateur that holds the license."

[Author Unknown]



GARS October Meeting

"Massive Home Brew Show & Tell"

By Everyone!

Tuesday October 14, 2014

**Meetings are held on the 2nd Tuesday of each month at 7pm.
(except December)**

at

Sports Aviation Complex - Hangar 1

690 Airport Road

Lawrenceville, GA 30045

Directions

Check out the following:

Maker Faire Report Pg 7
Lessons from Losses Pg 8
Agnes Scott College Pg 10
Beginners Corner Pg 11
Contest Info Pg 14

See NEW Ad on last page!

GARS Communications

2 Meter Repeater

147.075(+) MHz
82.5 PL Tone

APRS

144.390 -- 1200 Baud
W4GR

D-Star

WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

Main Repeater Site
Oak Street,
Lawrenceville

2 Meter Repeater

147.255(+) MHz
107.2 PL Tone

6 Meter Repeater

53.110 (-1 MHz)
No PL tone

70 Cm Repeaters

444.525(+) MHz
82.5 PL Tone
442.100(+)
100 PL Tone

Backup Repeater Site
Lanier Mountain,
Snellville

**Don't forget
to support our
advertisers at the
back of the GARzette.**

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the Amateur Radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the Amateur Radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other Amateur Radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN
770-689-6620 or editor@gars.org



Coming Soon

October Program:

The Massive Homebrew Show and Tell

By YOU - the GARS members

This is an annual event and one of our favorites. Several members will bring something from their shack to share with the club. We've had antennas, restored old equipment, go kits, tuners and just about anything else you can imagine that is sort of home brew or at least different than what exists in most shacks. If you plan to bring something, please notify Sandy or Kyle.

November Program:

Celebrating our Heroes

Salute to our GARS Veterans

Carter Wood AG4LK will give a presentation on the Armistice Site at Compiegne Forrest near Paris. http://en.wikipedia.org/wiki/First_Armistice_at_Compiegne

December Program.....HOLIDAY PARTY!!!!!!

GARS Holiday Party, Dec 5th 6:30

Make your reservations early on the GARS website.

http://www.gars.org/w4gr/index.php?option=com_content&view=article&id=146:christmas-party&catid=32:store

The September Meeting had some excitement before we got started...



What is JOTA ?

57th ANNUAL JAMBOREE ON THE AIR (JOTA)

October 18th from 9:00 AM – 3:30 PM at
VFW Post 5255, 368 Grayson Highway,
Lawrenceville, GA 30046



For directions please go to
<http://goo.gl/maps/8b4zx>

This a free event that is open to all Cub Scout, Boy Scout, Ventures, Sea Scout, Girl Scout & the general public. We will be offering a Radio Merit Badge Classe at JOTA. Registration is now open at <http://meritbadge.info/mbn/EventDetails.aspx?mode=preview&ID=BA85489F-1158-4BFE-A562-0EFC42D67708>

Come learn and have fun at JOTA 2014. JOTA is an annual Scouting event that uses amateur radio to link Scouts around the world, around the nation, and in our own community. Scouts of any age can participate, from Cub Scouts to Boy Scouts, Venturers and Girl Scouts. This is the official JOTA site of the Northeast Georgia Council Amateur Radio Club KK4BSA. For more information on what's going on at JOTA 2014 please visit <http://www.kk4bsa.info/events/JOTA/>



Sponsored By:



Gwinnett Amateur Radio Society



Gwinnett ARES



Venture Crew 73



NEGA Amateur Radio Club

It's almost that time again!



Stone Mountain Hamfest

The Alford Memorial Radio Club, Stone Mountain Hamfest is held in GARS back yard. Located at the Gwinnett County Fairgrounds for many years, it has available one of the largest boneyard areas in the southern United States. Attendance has increased the past two years and so has the vendors. This year were going to have even a bigger Hamfest, and home to the Georgia ARRL State Convention.

Amateur Radio License Exams will be held in the Main Exhibit Hall at the Hamfest. Testing starts at 9:00 am sharp both Saturday and Sunday of the Hamfest. Plan to arrive between 8:00 and 8:30am for testing registration. Bring two forms of ID (at least one with a photo and a SSN Card) Bring the ORIGINAL and a Photo COPY of your current license if you have a license. Bring all Certificates of Successful Completion, you might have.

There is a \$15.00 administration fee for testing. If you are under the age of 18, bring a parent along. Tests for Technician, General, and Extra Class licenses will be given both days of the Hamfest.

We look forward to seeing you November 1 & 2, 2014 at the Lawrenceville Fairgrounds.

The Online Ticket Booth IS OPEN! Don't Forget...Online Ticket Sales End at 23:00 Sunday October 26, 2014! [CLICK HERE to enter The Online Ticket Booth](#)

The Alford Memorial Radio Club values GARS members who help in making the "Stone Mountain Hamfest" successful and to continue to grow into even a larger event for Georgia. Promoting the Ham Radio hobby in the Atlanta area is to the advantage of all of us. Please sign up for volunteering again this year for setup on October 31st, Nov 1st and Nov 2ed.

Mike, KK4KHS

Makers Fair Report

Well the amateur radio community put on a great showing at the Maker Faire Atlanta.

Comments from the Maker organization are that there were near 30,000 visitors. Our 400 sq. ft. area had plenty of activity. About 40 hams from at least 4 Atlanta Area clubs participated in showing off some of what we do and some of the equipment we have used over the many years of our hobby. Blinky light breadboard kits, teletype tape with you name or message printed, send your name in Morse Code, questions and answers about our hobby, and a bracelet with you name encoded to Morse Code. And about 750 were handed a business card with instructions on where to find out more information about Atlanta area Ham Radio events. And to our delight, we had teachers asking for more information, and the October HamCram had 5 additional online registrations which we attribute to Maker Faire visitors.

Near the end of the event on Sunday, we were awarded a Blue Ribbon for our exhibit.

Were were told it was because we made things, had active displays, looked good, and kept a steady flow of traffic in our exhibit.

The event was made possible by contributions physical and financial from NFARL, ARC, Alford Memorial, GARS and HamJam. It was truly a ham radio community event.

Several folks put in a lot of hours. We were there Saturday morning at 7:00am and stayed until about 6:00pm when we were packed up for the night and on our way home. Back at 10:30am on Sunday and left about 6:00pm. Weather was on our side. Some high winds on Saturday kept the paper weights busy and the cool air felt good. The five gallon buckets used for tent hold-down got good use.

The true fall out from this event will be seen in the future. Can we cause additional schools to pickup Amateur Radio as a curriculum? How many new hams can we bring into the hobby? and how many dormant hams can we bring back to active status?

Thanks to all that helped make this a success!

73,

Norm, WA4ZXV



Lessons From Losses

Lessons from Lightning

or

“Don’t Mess Around With Mother Nature”

by

Paul Kelley, W4KLY

According to the Insurance Information Institute, in Georgia in 2013 there were 11,184 homeowners insurance claims for lightning damage . . . more than in any other state. Texas ranked second well below Georgia with 6,419 claims. For the 50 states the total was 114,740 claims with 60,078 of these (52.4%) in the top ten states. Georgia claims accounted for 9.75% of all the claims. (Source: <http://www.iii.org/press-release/number-cost-of-homeowners-insurance-claims-from-lightning-fell-in-2013-dry-conditions-fewer-powerful>).

Since moving into our home in November, 1988, we have had five lightning strikes on our property of which I am aware . . . there may have been others. About 20 years ago a pine tree on one side of our driveway took a hit and the surge traveled underground to the other side of the driveway getting into the buried telephone line and into the house resulting in the loss of three telephones and two PC modems. A few years later a large oak tree about 150 ft. from the house took a hit. Three years ago (subsequent to the installation of a 60 ft. Rohn tower mounted against the house) we have had three additional strikes . . . two of them ten days apart in April, 2000 and one this year on June 20. The two strikes in 2000 hit four different oak trees located from 30 ft. to 75 ft. from the house with no damage other than to the trees, three of which subsequently died and were removed, and two that survived with wide scars running down the trunk. I don’t know exactly where the June 20th strike hit, but it was so close to the house that following the “boom” I could hear static discharges going to ground “crackling” on or around the wir-

ing and ductwork above my head.

When the strike occurred, all AC power connections and antenna connectors to the radio equipment were disconnected and well separated from the equipment. However, after the storm had passed, my Elecraft P3 Panadapter was inoperative and I later determined that there was audio distortion with the K3 transmitting SSB. Both the K3 and P3 were sent to Elecraft for repairs. They reported that the damage to the P3 exceeded the cost of a new one, but fortunately the damage to the K3 required only that the firmware be replaced. My total loss to replace the P3 and repair the K3 including shipping both ways came to \$897.91.

Without any connections to the AC power grid and antennas, this damage occurred because I had failed to realize that one electrical path still remained, that being the Ethernet cable that linked the DSL Modem/Router in my office two stories above the shack down to the basement and PC in the “shack” with connections to the PC and on to the radio equipment. (By the way, the Ethernet card in the PC was also “fried” and had to be replaced.)

Now the better news of all this is that in July, 2013 I purchased insurance through the ARRL Ham Radio Equipment Insurance Plan to cover my Elecraft equipment and antenna installation. My “out of pocket” cost was the \$50

(Continued on page 9)

Lessons From Losses (cont'd)

(Continued from page 8)

deductible and cost of a new Ethernet card for about \$20. Based on the value of the equipment that I have scheduled on the policy, the cost for the insurance amounts to about \$12 a month. In my opinion this is a small price to pay for the comfort the insurance provides. If you are interested, you can find more information about the ARRL Radio Equipment Insurance Program at <https://arrlinsurance.com>.

I have long felt that there was *no practical* way that I could effectively protect my radio equipment from lightning short of disconnecting all power and antennas. This would have worked for me in this June instance but for the stinking Ethernet cable that I overlooked.

So, with this lesson learned, the following is my revised lightning protection procedure:

- ◆ Disconnect all antennas and separate connectors at least several inches apart and away from any conductive surfaces.
- ◆ Disconnect and separate the “Jones” connector to antenna rotator.
- ◆ Disconnect (“unplug”) AC power cords to **all** radio equipment (In my case, several power cords plug into a single power strip that is unplugged.)
- ◆ Turn “Off” UPS for the PC and “unplug” it from AC power.
- ◆ Disconnect Ethernet cable from the PC.

The telephone in the shack is wireless and I am looking at converting to a wireless connection between my shack PC and the router.

There are two web sites that I frequently visit to keep track of lightning that may be headed my way. The first is John Ackermann’s (N8UR) website www.febo.com that shows real time lightning strikes up to about a 200 mile radius centered at John’s QTH in Snellville. The other is www.lightningmaps.org/realtime?lang=en where you can see real time lightning strikes throughout the US or “zoom in” on any area of the country.

In conclusion, I hope that my experience may help others avoid having a similar or more tragic experience than I have had . . . or maybe help reduce the pain if and when a loss occurs if you choose to transfer the bulk of the risk to the insurance carrier.

73,

Paul Kelley, W4KLY

Agnes Scott College 125th Anniversary

To celebrate Agnes Scott College's 125 anniversary, faculty and students recently launched "Flat Agnes" into the stratosphere aboard a weather balloon.

Professor of Astronomy Amy Lovell, (KK4ZII), and Assistant Professor of Physics Nicole Ackerman (K8PHA) from Agnes Scott College Launch Flat Agnes balloon. Nicole recently spoke at the Alford Memorial Radio Club monthly meeting and it has decided to assist in placing an Amateur Radio station at the college to promote the as well assist in student academics. Given her grandfather's call sign, Professor Ackerman recently completed the STEM course in Newington Ct..



<https://www.agnesscott.edu/featured-story/atmospheric-agnes.html>

Click on the above web address to view website of the balloon launch.

Mike, KK4KHS

Beginner's Corner

For the past several months, I have been writing about the Baofeng radios. I have made quite a bit of progress on getting mine up and running, but I felt it might be nice to change the subject for a bit.

When you get your license and set up your first radio, there is the challenge of getting on the air for the first time. "Mic Fright" it is called. How do we get over that? Assuming that you have several simplex and repeater frequencies programmed into your radio, I have a couple of suggestions. First, get on one of the simplex frequencies, key your mike and say something like, "This is KM4XX testing." Of course, you will be giving your own call sign. Chances are that no one else is listening. Try it a couple of times if you need to. When you are comfortable with that, try doing it on a repeater like the GARS VHF repeater. When you announce that you are testing, someone may or may not come back to you. Many operators will just allow you to get on with your test. When you feel comfortable doing this, then try this: Give your call sign and say that you are monitoring the frequency.

What if someone comes back to me? This happened when I had my first HT programmed and was testing my radio to see if I got a beep tone back from the repeater. Now, I had been on an FM broadcasting station for a short time. I was also on the radio numerous times in my twenty years in the Air Force. Yet, it was a daunting experience when someone came back to me as a new Ham Radio operator. When someone comes back to you, tell them that you are a brand new ham and this is your first QSO (contact). Why say that? Well, no matter how long they have been on the radio, every ham has had a first QSO. In my experience with new hams, 99 percent of new hams report back that their first QSO bent over backwards to help them. Nearly all hams are understanding and will help you at ease.



I remember my first QSO. When he came back to me with his call sign, my thoughts were, "What will I do next!" I did just as I had talked about. He was very helpful. I gave him my location. He was mobile and came to my house. It turned out that he lived only about half a mile away!

Now, what if a third ham joins the QSO? You then have what is called a "group". Custom says that everyone takes a turn in order. That happened on my first QSO. The third person dropped out after a few minutes, but while he was there, we did a rotation.

It is a good idea if you are not mobile to have some paper and a pen or pencil handy. Jot down the call signs and the first names of your QSO(s). It really makes other hams happy when you remember their call sign. They don't have to know that you have just written it down. However, don't try this if you are driving! If you can't remember the other ham's call signs, just tell them so! Just remind them you are mobile and could not recall their call sign.

Ham Radio is a lot of fun. Your first QSO will be one of your most memorable experiences. Do what you can to overcome mic fright and enjoy!

73,

David Harden, KJ4CMY

[Note: Mic is shortcut for microphone. Ed]



GARS Membership Page

New GARS Members in September

Tildon Chavers ()
George Guerin (KM4BOS)
Donald Martini (KM4BWT)
Harold Prosser (KK1B)
Christopher Zastrow (KK4FNO)

New Members: 5

**Total Members as of September 1, 2014
- 283-**

Join us for our weekly breakfast gathering at
7:30 AM most Saturdays at:

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043
([Directions](#))

Also, before our Tuesday meeting you are invited to join
other GARS members and guests dining at:

The Flying Machine (starting about 5:30 PM)
510 Briscoe Blvd. NE
Lawrenceville, GA

**The following members are
celebrating birthdays
in October:**

HAPPY BIRTHDAY!!
From All of Us at GARS

S. Ray Bailey (N4GYN)
Nancy Bartlett (W9NAB)
Scott Brown (KD4YDD)
Dale Burns (KI4MZO)
Charles Corriveau (K4YDB)
Ken Edwards (WA4SQM)
John Findley (W4JHF)
Xavier Hunter (KK4QCD)
Becah Jubon (W3BEC)
Helmut Krause (DL5MC)
Daniel Lehr (N8KCM)
Vaden McDonald (NN4K)
Fred Murphy (KG4VTF)
Cathy Pierce (K1YMW)
Harold Prosser (KK1B)
Robert (Bob) Pursley (WD4KQQ)
Allison Sullivan (KK4VLR)
Kent Thompson (W4PBX)
Michael Weathers (ND4V)
Mark Wilson (WI1SON)

GARS MEMBERSHIP

Your current GARS membership status is shown in the monthly newsletter email towards the bottom .

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.),
please email the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free
<http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chairman: Karen Albritton, KI4HPP
Committee Members: Richard Atkin, KJ4ZTY.

Net Managers Corner

Hello again everyone, from N4LNE, GARS Net Manager.

GARS NEEDS YOUR HELP

GARS is a great Amateur Radio service club and we have the membership and awards to prove it. Our club is a very busy and active club and we use the Monday night net to get the information out to our members. We need weekly participation to make our net function and to keep them interesting. We have a very small group of very dedicated people that make the net happen each week but we need more help.

Out of over 286 members we have only eight primary people that run the net every Monday Night. In no particular order they are:

Norm - WA4ZXV	Mitch - N0DIM
Hal - W4IGE	Don - KK4VLO
Ray - N4GYN	
Sandy - KJ4DRO	
John - WB4QDX	
Bill - KK4AUA	

I need 40 people to fill NCS and ANCS positions. The schedule is planned and posted months in advance and is flexible. If your plans change we can and do make adjustments to make it work, and I make those changes happen as soon as I am notified of a problem. I also send out reminders each week to let you know you are scheduled for the next Monday night net. In short we make it simple. All you need to do is show up, read the script, take a few notes and forward the information to me for record keeping.

Please lend a hand and contact me at the monthly GARS meeting or by sending me a message via the [Mentors & Elmers](#) page on the web site at www.gars.org. Signup to help support the effort that makes GARS the great club that it is.

73' See you on the Nets!

Phil McCleary, N4LNE

Net Manager



**Don't miss the "KNOW IT ALL" Net
Wednesday nights, 8:30-9:30 pm**



We have moved to a new format. We begin with current events and announcements. Then we Introduce New Technology. Then we have check-ins and general discussion. Post net is Rag Chew format.

Jeff—AB4HF

Everyone is having great fun on this net! Come join us and become a "KNOW IT ALL".

**TIME: 8:30 every Wednesday evening on the GARS repeater - 2m 147.075 +, PL 82.5
6m 53.110 - No Tone
70cm 442.100 + PL 100.0**

ARRL CONTESTING INFO

(All names of contests are Links in .pdf version)

OCTOBER

11-12 [EME - 2.3 GHz & Up](#)

20-24 [School Club Roundup](#)

NOVEMBER

1-3 [Nov. Sweepstakes – CW](#)

8-9 [EME - 50 to 1296 MHz](#)

15-17 [Nov. Sweepstakes – Phone](#)

December

5-7 [160 Meter](#)

6-7 [EME - 50 to 1296 MHz](#)

13-14 [10 Meter](#)

21 [Rookie Roundup–CW](#)



.....10 GHz & Up–Round 2:

The **objective** of 10 GHz and Up is for North American amateurs work as many amateur stations in as many different locations as possible in North America on bands from 10-GHz through Light. Amateurs are encouraged to operate from more than one location during this event. See the detailed rules for restrictions.

.....EME—2.3 GHz & Up:

Objective: To work as many amateur stations as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz.

.....School Club Roundup:

Objective: To exchange QSO information with club stations that are part of an elementary, middle, high school or college. Non-school clubs and individuals are encouraged to participate. Sponsored by the ARRL, its Hudson Division Education Task Force and the Long Island Mobile Amateur Radio Club (LIMARC) to foster contacts with and among school radio clubs.

.....160 Meter

Objective: For Amateurs worldwide to exchange information with W/VE amateurs on 160-meter CW. DX-to-DX QSOs do not count for contest credit. Stations located in overseas and non-contiguous U.S. Territories may be worked by DX stations. This includes Alaska KL7, the Caribbean US possessions KP1-KP5, and all of the Pacific Ocean territories KH0-KH9, including Hawaii KH6. These stations can work BOTH domestic stations (US and VE) as well as DX stations around the world.

.....10 Meter

Objective: For Amateurs worldwide to exchange QSO information with as many stations as possible on the 10 meter band.

HAMFEST CALENDAR

Southeast US

10/11/2014 | [ARC of Augusta, GA Hamfest](#)

Location: Blythe, GA

Type: ARRL Hamfest

Sponsor: Amateur Radio Club of Augusta

Website: [http://](http://www.theamateurradioclubofaugusta.org)

www.theamateurradioclubofaugusta.org

10/11/2014 | [La Grange Hamfest](#)

Location: LaGrange, GA

Type: ARRL Hamfest

Sponsor: La Grange Amateur Radio Club

Website: <http://www.lagrangeradioclub.org>

10/18/2014 | [Lake Hartwell Hamfest](#)

Location: Anderson, SC

Type: ARRL Hamfest

Sponsor: Anderson Radio Club

Website: <http://www.andersonradioclub.com>

11/01/2014 | [Georgia State Convention \(Stone Mountain Hamfest\)](#)

Location: Lawrenceville, GA

Type: ARRL Convention

Sponsor: Alford Memorial Radio Club

Website: <http://stonemountainhamfest.com>

11/08/2014 | [Alabama State Convention \(Montgomery Hamfest 2014\)](#)

Location: Montgomery, AL

Type: ARRL Convention

Sponsor: Montgomery Amateur Radio Club

Website: <http://hamfest.w4ap.org/>

01/10/2015 | [Techfest 2015](#)

Location: Lawrenceville, GA

Type: ARRL Convention

Sponsor: Gwinnett Amateur Radio Society

Website: <http://www.gars.org>

BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology, **Venture Crew 73 is for you.**

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ◊ *Camping*
- ◊ *Hiking*
- ◊ *Horseback Riding*
- ◊ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

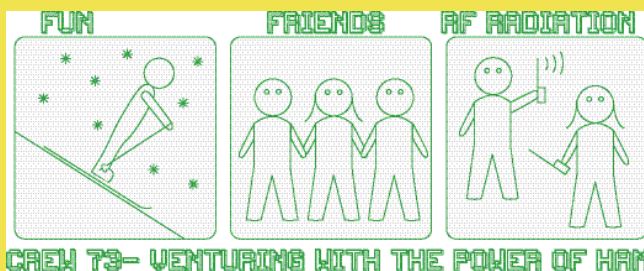
Venture Crew 73 Committee Chairman
Phone: 770-712-9069

Email: committeechair@venturecrew73.org

Jeff Lee, AF4JL

Venture Crew 73 Advisor
Phone: 678-475-3165

Email: advisor@venturecrew73.org



G A R S Officers and Committee Chairs

Rick Cobb, N4XYX
President



Mike Weathers, ND4V
Vice President



Allison Lynch, KZ3JFY
Secretary



Sid Weaver, N4NQ
Treasurer



Mike Smith, KK4KHS
Program Manager



Karen Albritton, KI4HPP
Membership Chairman



Dave Bruse, W4DTR
Ham Exam Team Leader



David Adcock, KA4KKF
Webmaster, Field Day Chairman



Dorothy Jubon, N2DLJ
Public Information Officer



Ralph Pickwick, KJ4CNC
TechFest Chair, Apparel Mgr



Ray Bailey, N4GYN
GARzette Editor



Jeff Cutchins, AB4HF
Multimedia Chairman



John Ackermann, N8UR
W4GR Trustee



Eddie Foust, WD4JEM
Repeater Chairman



Mike Weathers, ND4V
WAS-Checker, Historian



Phil McCleary, N4LNE
Net Manager, ELMER Chair



Mike Swiderski, K4HBI
Technical Advisor



DIRECTORS

Kyle Albritton, W4KDA



David Adcock, KA4KKF



Norm Schklar, WA4ZXV



Ed Goss, N3CW has recommended the following exhaustive AUDIO reference:

<http://k9yc.com/publish.htm>

Did you ever wonder what those strange sounds are in the lower part of each band?

You are in luck. This URL has not only how various modes look in a water fall but how each sounds.

<http://www.w1hkj.com/FldigiHelp-3.21/Modes/>
(courtesy of Dickson County, TN "Radio Signals" newsletter)

How many read the GARzette?

Recently I asked several members of GARS if they had read A Reunion via "Remote Hams" in the May issue, and none of them had seen the article. I'm looking for feedback re: how many folks are able to find time to read the GARzette. Ray, N4GYN-Editor

GARS Recurring Calendar

- ♦ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ♦ Every Monday at 8 pm: GARS Want, Swap, Sell, and Information Net on the GARS 2-meter repeater
- ♦ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 2-meter repeater
- ♦ Every Saturday at 7:30 am: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

- * Rick, N4XYY started the meeting at 7:04 p.m.
- * First time visitors and attendees were recognized.
- * Sid, N4NQ gave the treasurer's report. Voting was conducted and the report was accepted.
- * The membership report was given by Karen, KI4HPP. GARS has 291 members.
- * Mike, KK4KHS announced that Sandy, KJ4DRO and Kyle, W4KDA will do the program for the homebrew show at the GARS meeting on October 14th. Let Sandy or Karen, KI4HPP know if you have something to share.
- * There is a VE session this Sunday. See Sid, N4NQ or Dave, W4DTR or email exams@gars.org for more information.
- * The Maker Faire is coming up. It's a multi club event. Norm, WA4ZXV announced that he needs some help. It will take place on October 4th. Contact Norm if you can help via WA4ZXV@arrl.net.
- * Jamboree on the Air will take place at the VFW Post 5255 in Lawrenceville on Oct. 18th. Steve, WB2OGY asked for help and whether anyone has a demonstration to give at the event.
- * There will be a HamCram on Oct. 25th. See www.gars.org for more information.
- * Some GARS members set up satellite station at Lanier High School and made contact with ISS space station. Thanks to John Kludt, K4SQC for leading the project. A video of the contact was shown.
- * On Oct 25th and 26th there will be a special event station for the EAA B17 event. See Kyle, W4KDA with questions.
- * This Saturday, there will be an on-the-air ARRL Centennial QSO party starting at 8:00 p.m. on PSK31, coordinating on 147.075.
- * The Stone Mountain Hamfest will take place during the first weekend in November. Pre-sale tickets are available for \$6. See www.stonemountainhamfest.com for more information.
- * The South Carolina QSO Party is this coming weekend.
- * Break
- * John Davis, WB4QDX gave a wonderful program, "Digital voice technologies for Amateur Radio". A plaque was presented to John.
- * Drawings and prizes were given out.
- * There were 72 attendees present.
- * The meeting adjourned at 8:53 p.m.

Allison Lynch, KZ3JFY, Secretary

HamCram Technician License Class Saturday, October 25th 2014

This is an entry level study session. You will need study materials in advance of the session. We use the Technician Class by Gordon West. It is available from many sources including Ham Radio Outlet in Doraville. There is no charge for the class, but there will be a \$20 charge for lunch and the Technician license exam immediately following the class. There is a no refund policy for no shows. Read more to [register for class](#).

Location is at the EOC , 800 Hi-hope Road Lawrenceville.

[W5YI](#) for more information on Testing, etc..... For more information on the test session [click here](#) to email the instructors. Study: 8:00am to 5:00pm -- Thirty Minute Lunch Break. -- Exam Session: 5:00pm to 7:00pm

*** Pre-registration is Required *** Register via PayPal ***
There is a no refund policy for no shows.

http://www.gars.org/w4gr/index.php?option=com_content&view=article&id=131:ham-cram-2&catid=32&Itemid=101

GARS CALENDAR OF EVENTS FOR OCTOBER 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 8:30 - 9:30 pm GARS Know-It-All Net	2	3	4 MAKER FAIRE
5	6 8:00 - 8:30 pm GARS 2m Net	7 6:30 - 8:00 pm GARS Exec Meeting	8 8:30 - 9:30 pm GARS Know-It-All Net	9	10	11 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
12	13 8:00 - 8:30 pm GARS 2m Net	14 5:00 - 6:30 PM Dinner at Flying Machine 7:00 -9:00pm GARS Meeting	15 8:30 - 9:30 pm GARS Know-It-All Net	16	17	18 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
19	20 8:00 - 8:30 pm GARS 2m Net	21	22 8:30 - 9:30 pm GARS Know-It-All Net	23	24	25 HAMCRAM — EAA B17 Special Event
26	27 8:00 - 8:30 pm GARS 2m Net	28	29 8:30 - 9:30 pm GARS Know-It-All Net	30	31	

Metro Testing Sessions	Ham Exam Results	Metro Club Meetings
<p><i>GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at http://www.arrl-ga.org.</i></p> <p>First Sunday, ODD Months 2 pm (Jan, Mar, May, Jul, Sep, & Nov) VEC: WCARS Braselton Public Utility Building 4986 Highway 53, Braselton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560 w4rlg@bellsouth.net</p> <p>First Sunday, EVEN Months 2 pm (Feb, Apr, Jun, Aug, Oct, Dec) VEC: WCARS Hall County EOC 470 Crescent Dr. Gainesville, Ga. Perry Roper, KO4RD (770) 536-3056</p> <p>Second Saturday of Each Month 10:00 AM Alpharetta North Park, Adult Activities Center 13450 Cogburn Rd, Alpharetta, GA 30004 Ian Kahn, KM4IK E-mail: km4ik.ian@gmail.com</p> <p>Second Saturday, ODD Months VEC: ARRL 8:30 a.m. Stone Mountain GAGMC Community Ctr 5325 Leon St. Stone Mountain, GA Bob Varone, W4ETN (770) 978-3179</p> <p>Second Sunday VEC: W5YI 2 pm Gwinnett County Fire Station #5 3001 Old Norcross Road Duluth, GA 30096 Contact: Dave Bruse, W4DTR Email: exams@gars.org</p> <p>Third Saturday VEC: W5YI 2 pm (Except December) Lifeway Church 1654 Atlanta Highway #109 Steve Donellan, N5SMD (404) 520-0368 Email: n5smd@comcast.net</p> <p><i>(cont. next column)</i></p>	<p>We had a very successful test session today 14 September, 2014</p> <p>3 applicants tested and 3 passed.</p> <p>Three of three passed exams. Two new Technicians and one upgrade to General.</p> <p><u>Thanks to the following VE's:</u></p> <ul style="list-style-type: none"> - Don Bagby – KK4NJM (Co-CVE) - Dave Bruse – W4DTR - Robert Pursley – WD4KQQ - Bill Cherepy – WB4WTN - Sid Weaver – N4NQ - Frank Haynes – KV4SP - Mitch Matteau – N0DIM - Steve Back – WB2OGY <p>73,</p> <p><i>Don Bagby</i>, KK4NJM</p> <p>Email: exams@gars.org</p> <p>GARS VE Website: http://groups.yahoo.com/group/GARS_VE_Team/</p> <p>Fourth Tuesday ARRL VEC 7 pm @ United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466</p> <p>Fourth Sunday 2:30 pm Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See www.w4aql.com Alexander G. Carver (404) 894-2936 acarver@ece.gatech.edu</p>	<p>First Tuesday Kennehoochee ARC Downtown Marietta Fire Station #1, Training Room 112 Haynes Street Marietta, Georgia 30060 Meeting begins at 7:00pm Talk In 146.880(-)</p> <p>First Thursday Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30pm Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30pm Talk In - 147.225(+) PL 123.0</p> <p>Second Monday Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00pm</p> <p>Second Thursday Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd & Spain Rd Stone Mountain Dinner at 6:00pm Meeting at 7:30pm Talk In - 146.760(-)</p> <p>Second Saturday North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM</p> <p>Third Tuesday North Fulton Amateur Radio League Alpharetta Recreation & Parks Dept Alpharetta Adult Activity Center 13450 Cogburn Road Alpharetta, GA 30004 meeting at 7:30pm Talk In - 145.47(-) For more, go to: http://www.gars.org/</p>

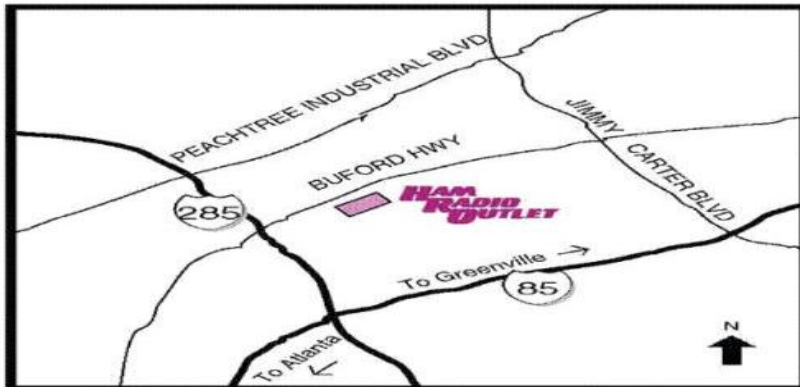
WORLD WIDE DISTRIBUTION



Mark Holmes
Manager
KJ4VO


6071 Buford Highway
Atlanta, GA 30340 (Doraville)
770-263-0700 1-800-444-7927
Fax: 770-263-9548
e-mail: atlanta@hamradio.com
hours: 10 a.m. - 5:30 p.m. Mon.-Sat.

John, KI4LMA Bill, W5RQR David, AI4XL Tom, KB4HQA
Jim, N1ABM Josh, W4JDH Brian, WD4DX



Alinco
Icom
Japan Radio Corp.
Premier
ADI
Yaesu
Alpha Delta
Arrow
Butternut
Create
Kenwood
Tarheel
Heil
West Mountain

Cushcraft
Diamond
Force 12
Hustler
Hy-Gain (Telex)
KLM
Larsen
M2
Valor
Van Gorden
MFJ
Ameritron
Comet



L&M Mobility

Robert (Mike) Smith
5191 La Paloma Dr.
Lilburn, GA 30047
Phone (404)-509-3104
Smithrm70@hotmail.com

SERVICE & REPAIR
Power Chairs • Lift Chairs • Scooters



Real Estate Broker

**Century 21
21 Results Realty**

Buying* Selling* Investing
For Any Real Estate
Matters

There has never been a
better time to invest in Real
Estate

**Inventory is LOW
It's a Seller's Market**

SHARON ADCOCK
CRS, GRI, e-Pro,
Relocation Expert,
Associate Broker

www.SharonAdcock.com
2920 Ronald Reagan Blvd
Cumming, GA 30041



Not intended

Sharon@
SharonAdcock.com
Cell: 404-428-9127
eFax 678-679-1383

HAM RADIO READY!



1915 Oak Wind Ln
Buford, GA 30519

Offered at \$222,900

GAMLS ID: 7299150
Oak Wind
2,603 sqft.
4 Bedrooms
2 Full Bathrooms
1 Half Bathrooms

Hot buy in great school cluster! Home has 47 foot tall Rohn 25G guyed tower, radio room in the basement is wired with two 240 VAC circuits for amplifiers and has an underground buried conduit for cables to the base of the tower. Rotator, mast, antennas, etc. on the tower are negotiable. Lots of square footage on full basement. 2 story foyer/hardwood floors. Kitchen remodeled 4 years ago with new stainless steel appliances including convection oven, granite counters, stained cabinets, custom tile backsplash. Large breakfast area, dining room, separate living room, family room w/gas fireplace. 3 finished rooms in basement as well as huge workshop/storage area. Ham radio tower will be removed by seller prior to close. Great location near Kroger, 5 minutes to Mall of GA.

View this property at: <http://7299150.GeorgiaMLS.com>

Bill Gambrell
COLDWELL BANKER RESIDENTIAL BR
Phone: 678-458-3494
Office: 770-623-1900
E-mail: bill.gambrell@coldwellbankeratlanta.com



Information is provided courtesy of COLDWELL BANKER RESIDENTIAL BR, and is deemed reliable but not

GAMLS ID: 7299150

Oak Wind

2,603 sqft.

4 Bedrooms

2 Full Bathrooms

1 Half Bathrooms

Hot buy in great school cluster! Home has 47 foot tall Rohn 25G guyed tower; radio room in the basement is wired with two 240 VAC circuits for amplifiers and has an underground buried conduit for cables to the base of the tower. Rotator, mast, antennas, etc. on the tower are negotiable. Lots of square footage on full basement. 2 story foyer, hardwood floors. Kitchen remodeled 4 years ago with new stainless steel appliances including convection oven, granite counters, stained cabinets, custom tile backsplash. Large breakfast area, dining room, separate living room, family room w/gas fireplace. 3 finished rooms in basement as well as huge workshop/storage area. Great location near Kroger, 5 minutes to Mall of GA.

View this property at: <http://7299150.GeorgiaMLS.com>

William Gambrell

Coldwell Banker Residential Brokerage

11035 Medlock Bridge Rd Ste 70

John's Creek, GA 30097

Office: 770-623-1900 Fax: 678-922-7376 Cell: 678-458-3494

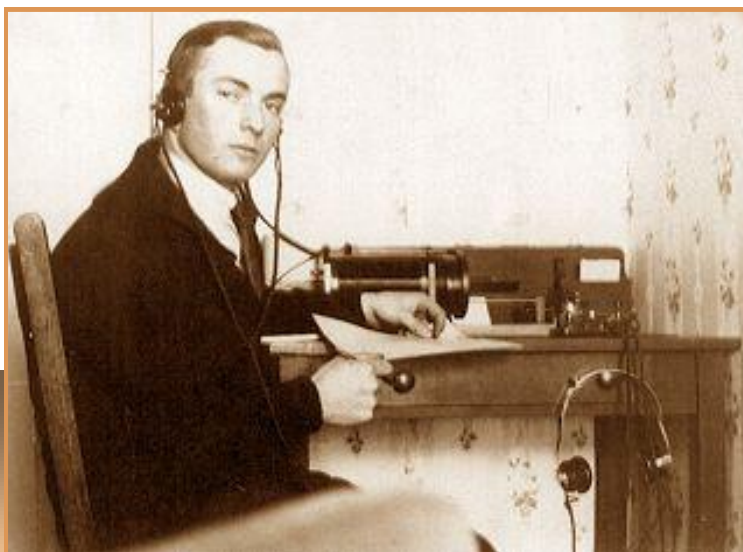
E-mail: bill.gambrell@coldwellbankeratlanta.com



You'll never have to clean your gutters again. The Real Gutter Protector's Waterloov® System uses a patented design that slows water more effectively and draws water in more completely, with smaller openings that keep out more debris. <http://www.realgutterprotector.com>

Atlanta, Georgia - (770) 630-1582

Greenville, Anderson, Seneca, South Carolina - (864) 757-4880



The American Amateur, Edmund B. Durham, 3VM, in 1914.

This skilled OM who built two receivers, emitted in CW with 30 W using a 12 m high, 22.5 m long "T" antenna tuned on 180 meters. Document [Spark Museum](#).